

20,000 expected MIT open house set for Saturday

By John Corwin

More than 20,000 residents of the Greater Boston area will become acquainted with the MIT campus at the twenty-third bi-annual Open House this Saturday. Students from every department have planned programs and demonstrations in cooperation with the faculty.

President Julius Adams Stratton issued the following statement:

"I believe that the Open House serves well both the Institute and the community. I hope very much that, as on other occasions, all members of the MIT community will give whatever help and assistance they can."

Visitor aids planned

Because there will be over 100 exhibits, the visitors will have four planned tours and 150 student guides to help them cover the campus efficiently.

In the following paragraphs an attempt will be made to outline just a few of the highlights of the program.

The Exhibits

A scale model of the United States Gemini Capsule will be displayed by the Department of Aeronautics and Astronautics.

The world's most powerful magnet will be a feature of the National Magnet Laboratory.

Tours scheduled

Guided tours will visit the MIT nuclear reactor, the world's largest Van de Graff electrostatic accelerator, the 30 MEV Cyclotron and the 17 MEV linear accelerator.

A new attraction will be the

recently constructed Center for Earth Sciences located in the 20-story Green Building.

The Spectroscopy Laboratory will demonstrate and explain the laser, a concentration energy ray developed by Dr. Charles H. Townes.

Optical illusions will confuse those who visit the exhibits of Dr. Harold Edgerton, professor of electrical engineering and developer of high-speed strobe photography.

At the Computation Center, visitors will operate the IBM 7094 as part of the recent time-sharing developments in computer operation.

A special exhibit will commemorate the centennial anniversary of MIT's first classes which convened February 21, 1865.

Chemistry plans magic

A "Magic Show" will be produced by Phi Lambda Upsilon, the chemical honorary society. Students will fire a small cannon with the use of a light, set a beaker aglow in the "fire-fly effect," and create volcanic action.

The Linguistic Department will display a psychological experi-

ment designed to investigate how humans learn the rules which underlie a natural language.

Brain waves of students will be analyzed by computer-connected electrodes at the Research Laboratory of Electronics.

The Humanities Department will show a short film — continuously — on the subject of Humanities at MIT.

Many of the demonstrations will be televised. Tour routes and information will be available in the lobby of the main entrance at 77 Massachusetts Avenue.

Ten complete first year of study in advanced engineering program

Ten participants in the New Practicing Engineer Advanced Study Program have completed their first term of a full year of graduate study at MIT.

The program, inaugurated by MIT's Center for Advanced Engineering Study, is designed to aid engineers in dealing with the problem of exploding technological knowledge. With a \$5 million grant from the Alfred P. Sloan Foundation, the Center will "explore and develop techniques whereby engineers in the field

Committee heads, Finboard picked at Inscomm meeting

By Scott Moffatt

Chairman of the Student Committee on Educational Policy, Foreign Opportunities Committee, Public Relations Committee, and Inscomm Judicial Committee, as well as members of Finance Board were elected by Institute Committee at its meeting Thursday, March 25th.

New chairman of SCEP is Judy Risinger '66, who resides at 352 Marlborough Street in Boston. Heading FOC is Richard Krasnow '67 of Alpha Epsilon Pi. PRC chairman is Ralph Schmitt '66

from Sigma Alpha Epsilon, and Bill Kampe '66 will lead the Inscomm Judicial Committee.

Chairman of Finboard is Gene Sherman '66 of Zeta Beta Tau. Don Belfer '66 from Tau Epsilon Phi automatically assumed a Senior Member's position in his capacity as treasurer of Activities Council. Joining him as Senior Members are Chuck Breckheimer '66 from East Campus and Gerry Madea '66 of Sigma Phi Epsilon. Junior Finboard Members are Chuck Kolb '67 from East Campus, Steve Douglas '67 of Sigma Alpha Epsilon and Dave Sanders '67 from Phi Gamma Delta.

Along with those elected to Finboard, Roger Costa '66, Arlee Reno '66, Pete Denton '67, Roger Kirst '67 and Jerry Tomanek '67 who were selected, out of a field of some twenty applicants, by the Inscomm Executive Committee to stand before Inscomm as candidates for Finboard.

Committee interviews

Interviews are being held this week for freshmen who wish to be members of the Secretariat and for sophomores and juniors interested in the Student Center Committee. John Adger '66, Chairman of the Committee, stressed that previous qualifications are not necessary.

All those interested must turn in applications this week to Litchfield Lounge in Walker Memorial. Interviews for Secretariat will be held April 12-14, and Student Center Committee this Friday from 5:15 p.m. on and Saturday morning from 9:00 on.

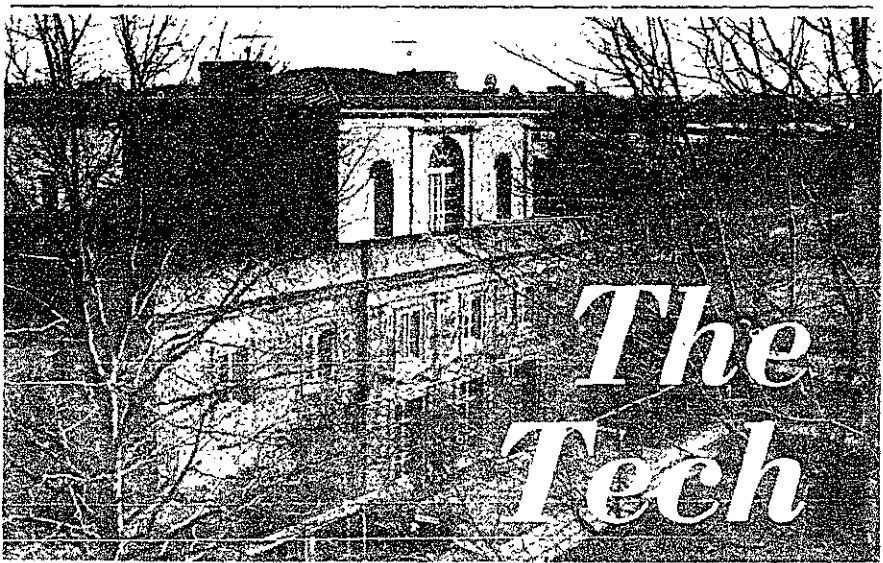
Trips to Washington, Europe scheduled for Sloan Fellows

Forty-eight Sloan Fellows from the MIT Alfred P. Sloan School of Management will travel to Washington, D.C., courtesy of the United States Government, to confer with cabinet members and with Justice William O. Douglas.

The Fellows will be seeking insight into governmental policy formation, communication, and control at high levels of responsibility. They will meet Secretary of Commerce John T. Connor, Secretary of Labor W. Willard Wirtz, Secretary of Agriculture Orville S. Freeman, and Senator Hugh Scott of Pennsylvania.

The Fellows will also travel to Europe in May and will meet in advance with Ambassador Heinrich Knapstein of Germany, and representatives of France, Yugoslavia and Sweden.

Dr. Peter P. Gil, director, and Miss Priscilla A. Karb, assistant director of MIT's executive development programs, and Professor J. D. Nyhart of the Sloan School faculty are accompanying the Sloan Fellows on the Washington trip.



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Hired by Harvard

Putnam to move up river

Professor Hilary Putnam, head of the philosophy section of the department of humanities, has announced that he will join the faculty of Harvard University next year as a full professor.

Dr. Putnam, who is a full professor of the philosophy of science here, played a key part in the recent establishment of a PhD program in philosophy. He is one of the nation's top ranked men in philosophy of science.

Since coming to MIT from Princeton in 1961 Dr. Putnam has

taught courses in the philosophy of mathematics, classic and contemporary philosophy and philosophy of language, as well as a course in set theory under the department of mathematics.

Dr. Putnam said that the decision to leave MIT for Harvard was difficult, and did not reflect on the students or administration at Tech. He commented that the students he had worked with at Tech were outstanding and that the Harvard students could not be superior. Dr. Putnam then expressed the hope that the Harvies would not prove greatly inferior.

The large amount of time spent in administrative tasks and the greater size of Harvard's philosophy department were given as reasons for the move up river by Dr. Putnam.

He indicated that MIT's stature in the field of philosophy has reached new heights in recent years and that in the field of the philosophy of science MIT retains one of the strongest faculties in the country.

Junior Science Symposium to be held here this week

High school teachers and students from 50 schools in the Greater Boston area will attend the Third Annual Junior Science Symposium at MIT tomorrow and Friday.

The 100 students and 50 faculty members were selected by their schools on the basis of academic achievement and interest in science and mathematics. All will be invited to the MIT Open House for the Boston public on Saturday.

The symposium occurs at different colleges throughout the nation and is sponsored by the United States Army. This week MIT will act as joint sponsor with Arthur D. Little, Inc., the United States Army Materials Research Agency, the Army Research Office, and the Department of Education of the Commonwealth of Massachusetts.

The purpose of the program, planned and organized by MIT students, is "to encourage scientifically able high school students to pursue science and engineering as possible careers" and to give teachers a broad look at current research activity. John Adger '66 of Shreveport, La., is chairman.

Townes to open program

The symposium will begin with a welcome from Dr. Charles H. Townes, Provost of MIT. He will be followed by Dr. Jerome B. Weisner, Dean of the School of Science, speaking on "Science and the Public Welfare." Several other faculty members will also say a few words.

Students set for speeches

Then fourteen visiting students will present, orally, papers that they have written about their own high school science projects. Through these presentations, students and teachers alike will observe examples of the science programs in other Boston high schools. All of the papers will be published in Tech Engineering News.

The program also calls for presentations by four MIT freshmen, and demonstrations of teaching methods by Dr. Anthony P. French, Dr. William Moore and Dr. Charles Holt.

Tours planned

Visitors will have opportunities to tour the National Magnet Laboratory, the Engineering Projects Laboratory, and the Research Laboratory of Electronics.

Labs to welcome visitors

Each high school student will spend an afternoon in smaller laboratories observing and taking part in work being done by MIT students and faculty. The programs call for about 30 experiments to be performed, in fields such as biology, chemistry, engineering, food science, geology, meteorology, metallurgy and physics.

Activities Council elects new members to AEB

Rusty Epps '66, Chairman of Activities Council, announced the election of several new members to the Activities Executive Board including Don Belfer '66 of Tau Epsilon Phi, who represents Tech Show, serves as A.C. Treasurer and will represent the Council on Finboard. Jim Puls '67 of Theta Xi, who represents the Young Republican Club will serve as council Secretary.

New members at large are John J. Csongradi '66 from Burton House, who represents APO, The Tech's representative, Dave Kress '67 of Theta Chi, Keith Patterson '67 from Phi Mu Delta, who speaks for Voo Doo, and Roger Kirst '67 from Bexley Hall, who represents Debate Society.

One of the first considerations to be brought before the Executive Board will be the question of whether or not to allow political clubs to use Secretariat publicity media.

Blood Drive sets peacetime high; APO-TCA efforts net 1502 pints

The Annual MIT Blood Drive last month drew 1502 pints of blood, setting for the second consecutive year a peacetime record for the Eastern Seaboard of the United States. Last year's yield, formerly a record, was 1309.

Gold Medal for metallurgy awarded to Prof. Bever

The Mathewson Gold Medal for metallurgy was awarded recently to Professor Michael Berliner Bever.

The metallurgy professor received the gold medal for publication of his essay, "Liquid Metal Solution Calorimetry."

Dr. Bever obtained an MBA from Harvard University, an SM and ScD in Metallurgy from MIT, and a Dr. iur. utr. from Heidelberg, Germany.

The announcement of the success of the APO-TCA Blood Drive was made by co-chairmen Gardner Gay of Alpha Phi Omega and Paul Lindsey of Technology Community Association. Professor James W. Mar of the MIT faculty headed the drive among faculty and staff members. Gay and Lindsey expressed thanks to the student body for their cooperation.

The best day was Wednesday, March 24, during which 346 MIT students donated.

There were a total of 47 rejections, 32 of which were undergraduates. The most common reasons were for colds or for lack of sleep.

Next year's drive will be conducted in the Student Center, which is now under construction. This year's drive was held in the old Registrar's office in Building Seven.

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Flight simulations set up to study human reactions



Researcher Jacob L. Meiry poses in a flight simulator in MIT's Man-Vehicle Control Laboratory. The Lab is supported by a division of the National Aeronautics and Space Administration, through its Ames Research Center.

The balance-sensing mechanisms in the human inner ear are perhaps better motion sensors for vehicle control than has been previously supposed.

Space researchers at MIT have been studying man's ability to keep an otherwise unstable vehicle steady using only the information he gets through motion sensors inside his ears as compared with similar operation with visual information and with both ear and visual.

The researchers, Dr. Laurence R. Young and Jacob L. Meiry, reported before the annual meeting of the Institute of Electrical and Electronics Engineers in New York City, March 23. Both are of the Man-Vehicle Control Laboratory of MIT's Center for Space Research. Dr. Young is also assistant professor in the MIT Department of Aeronautics and Astronautics.

The project is a part of a long range study for identifying human behavior in terms of mathematical models under the direction of Prof. Y. T. Li, the director of the laboratory.

Subjects put in cockpit
Young and Meiry put test subjects into a cockpit section sawed from a discarded jet fighter plane. The cockpit is mounted between the jaws of an eight-foot motor-driven yoke and can be rolled at any desired erratic rate. Subjects use a hand lever to correct roll and keep the vehicle upright.

When vehicle instability is long-term and gentle, visual perception appears the more useful information source that subjects use in taking corrective action. Young and Meiry reported. But when things get violent — a condition they call short term instability — subjects rely most on what the fluid-filled semi-circular canals of

their inner ears tell them is happening.

Manual control analyzed

The research is part of an investigation to analyze quantitatively and in detail all aspects of manual vehicle control. Results will be useful to engineers designing control systems for high performance vehicles using various combinations of automatic equipment and manual inputs.

(Please turn to page 5)

Dept. of Architecture

Offer creative photography course

To provide students of architecture, engineering and science with an opportunity to experience creativity in a field other than their majors, a course in creative photography has been introduced at MIT.

The course is being conducted by Minor White, a leading American photographer. Professor White, whose first one-man show was presented at the Portland (Oregon) Art Museum in 1942, is represented in the permanent photographic collections of many museums. He has exhibited his work in one man and group shows in museums and galleries throughout the United States for the past twenty years.

Before coming to MIT as visiting professor of creative photography, Professor White had been a member of the faculty at the Rochester Institute of Technology since 1955. He was curator of exhibitions and editor of 'Image' at George Eastman House in Rochester from 1953 until 1957, and since 1952 has been editor of 'Aperture,' a quarterly journal of creative photography.

Professor White sets forth the objective of the course as presenting the four areas of crea-

tivity: the idea for the image; the craftsmanship of the medium; the editing of photographs; and the response to the completed work. The response takes place most effectively in a group in which the photographer is present when his work is being examined by his peers. While this situation provides a remarkable opportunity to observe creativity at work in both the artist and the audience, such a situation rarely occurs in our society outside the classroom or workshop, Mr. White said.

About thirty students are enrolled in the course, which is

being offered in two sections. Through the use of the camera and practice in studio and darkroom procedures, each student is expected to increase his visual awareness and creative capacity with photography.

To meet the special needs of photographic work, a new facility consisting of darkrooms, studio classrooms and a large exhibition space is being completed in the Armory. An exhibition of the work of Boston area photographers will be held in honor of the opening of the new facility later this year.

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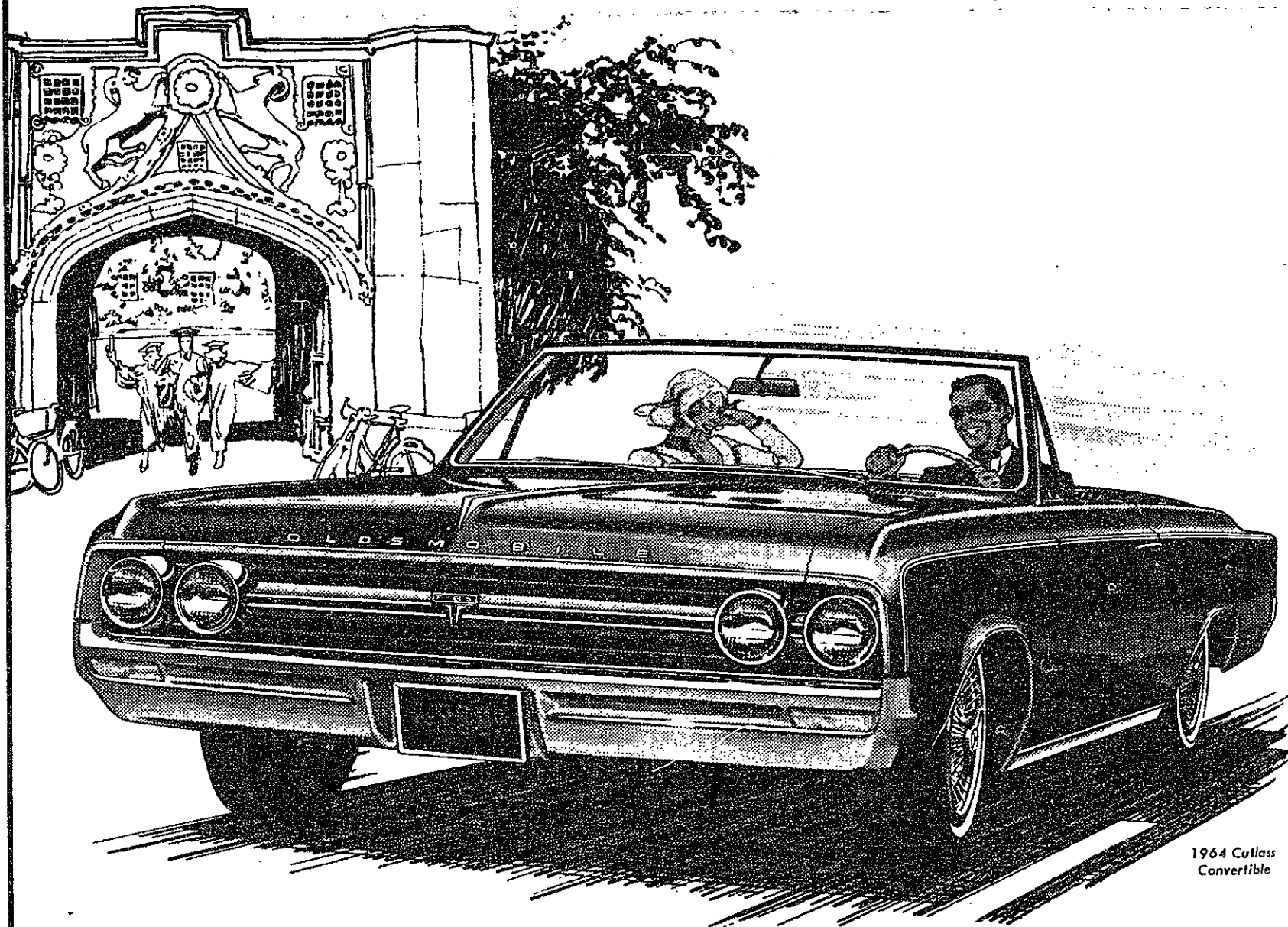
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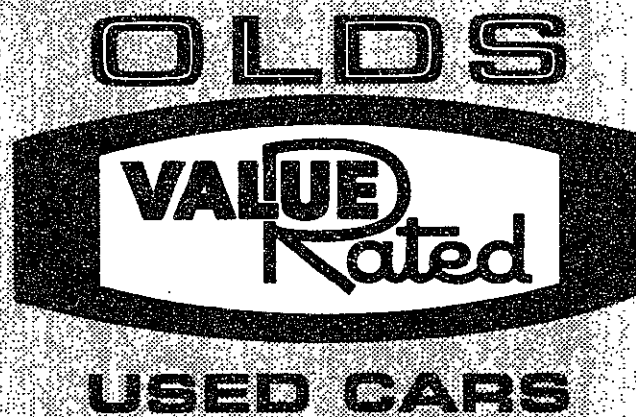
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Dorm council elects 3 officers

Officer elections for the MIT Dormitory Council took place at the Council meeting March 11.

Marty Kohn '67, of Senior House, was elected Secretary, while Bill Hsu '67, of Burton House, was elected Treasurer. Dan Allen '66, of Baker House, was elected Parking Chairman by acclamation.

In addition, the Council reported that Bexley Hall had received an invitation to join Dormcom, which they rejected at a meeting March 8.

Eight members of Junior Class elected recently to Beaver Key

Eight additional members have been elected to the Beaver Key, Junior Class honorary society, bringing its membership to 34.

The new members are Terry Cronburg (NRSA), two-year captain of the sailing team and one of the top sailors in the country; Marland Whiteman (SAE), wrestling co-captain and 66 representative to the Coop Board of Directors; Mike Kinhead (ATO), IFC vice-president and representative to the National Interfraternity

Conference; Rob Wesson (PDT), captain of the cross-country team; John Freeman (PGD), IFC representative to Incomm and member of the '66 class executive committee; Larry King (BTP), squash captain and member of Tech Show; Joel Talley (PGD), 1965-66 Secretariat Chairman; Dick Nygren (BTP), lacrosse and wrestling team member.

The Beaver Key also planned a party with Q-Club and last year's Beaver Key for sometime in April. Elections for new members (from the class of 1967) will be held in May.

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Hayden Gallery exhibiting new art from Argentina

By Sue Downs

"New Art of Argentina," an exhibition illustrating the evolution of Argentine art during the last three years, is showing at MIT's Hayden Gallery and will continue through April 28.

The exhibition was organized by Walker Art Center, Minneapolis, in association with the Visual Arts Center, Instituto Torcuato di Tella, Buenos Aires.

Argentine art has been "internationalized" and has contributed to art of other countries. This can partially be attributed to the fact that nine of the artists in the exhibition currently live in Paris, three in New York and one in Rome.

The strength of the new Argentine art became apparent at the Venice Biennale in 1962, and in December of 1963, when an exhibition of recent art from Argentina opened at the Musee National d'Art Moderne in Paris. Argentina is now the strongest contributor to contemporary art in Latin America.

Argentine painting has taken

MIT's Student Movement for Cuban Freedom plans lecture by Professor Vali

Professor Ferenc A. Vali, from the University of Massachusetts will speak at a lecture sponsored by the MIT Student Movement for the Freedom of Cuba (MITS-MFC) tomorrow night at 8:00 pm in room 54-100.

Professor Vali will lecture on the "Patterns of Revolt-Communist and anti-Communist." An eyewitness of the Hungarian Revolt of 1956, he is the author of the book "Rift and Revolt in Hungary" which was published by the Harvard University Press.

Headed by Sergio Ferragut '66, the MITS-MFC includes students from many countries, predominantly America, who feel the need to end the Communist oppression on the Cuban people through an internal rebellion.

various directions and they are typified in the exhibition under five general groupings: Geonetricism, Abstractism, Neo-Figuration, the abstraction of phases, and the Argentine equivalent of American style "Pop Art" and French "New Realism."

Included in the exhibition is sculpture by Alicia Penalba, Marino Di Teana, Gyula Kosice, Libero Badii, Ennio Iommi, and Noemi Gerstein.

Hayden Gallery is open from 10 a.m. through 5 p.m. weekdays and 1 to 5 p.m. Saturday and Sunday.

Kresge set tonight for freshman convocation

The freshman convocation will be held in Kresge tonight at 8:00, at which a panel of MIT faculty members will discuss the approach a freshman should take in choosing a course major.

The panel will emphasize the importance of this decision with reference to present enjoyment, benefit and future graduate school and employment.

Tonight's convocation lays the groundwork for a three week period in which freshmen will go to MIT's Open House and to departmental open houses in order to see what each course has to offer. Further discussions with the faculty and upperclassmen should help the freshmen come to a decision.

Uruguay college to hear Taylor

Dr. C. Fayette Taylor, Professor of Automotive Engineering, emeritus; has been invited to lecture on internal combustion engines at the University of the Republic, Montevideo, Uruguay next fall.

Dr. Taylor will be at the South American university from September through November under a grant from the Committee on International Exchange of Persons.

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The Alma Mater - - a challenge

The Latin 'alma mater' can be literally translated as 'nourishing mother,' an interesting metaphor. The fact that colleges nourish the intellectual life is obvious; but the influence of the campus goes deeper than that. One was described college as a vacation between mother and wife; behind the joke is the sobering fact that a gap exists between dependence as a member of a family and independence as head of one.

This transition period has great importance. It is a person's first complete step into a world of peers, where accomplishment is important and background isn't. This loss of family identification is for some a depersonalization, and loneliness is a common feeling for many college students.

Loneliness

Dr. Benson Snyder, MIT Chief of Psychiatry, told a California audience recently that this loneliness is a major motivation for student mass movements; in that crowd there is some identification, some sense of accomplishment, some acceptance. It is obvious that, even unaware, the college life influences a person's psychological, social, and moral character as well as his scholarship.

It is the duty of the university—we use the word in its original sense of the whole community, not just faculty and administration—to see that these aspects of character are developed well, not merely by chance association. And because of the university's nature as a peer-oriented society, the students themselves are generally the most effective influencers.

Responsibility

This, we wager, is why students at MIT have been given so much freedom to manage affairs beneficial to the com-

munity. There is recognition here of one virtue and its development perhaps beyond all others—responsibility.

This responsibility necessitates hard thinking—what is the best for the community? How can a student best offer his admittedly limited service? What is the role of student government? Of living groups?

A vital problem

We have already stated negatively that, in our opinion, the best path to individual ethics, morality, and character is not found in mass movements. This is not to say they are never necessary; but "let us cultivate our gardens." Our own back yard has enough work to be done. Call it loneliness, need for identity, searching for goals—the semantics are unimportant, but the problem is there, more immediate to most students than national issues—and equally capable of causing death, as student suicide statistics will show.

Leadership

Colleges want to do more than provide a warm niche for individual refuge. They want to draw people out, stand them on their own feet, prepare them for leadership in a world sorely in need of responsible leaders.

We have already commented on the "amateur" aspects of education—amateur labs, and activities, and government. But we feel that this amateur training is the best education for a well-rounded, thinking, independent man or woman. The problem we students must face ourselves is the task of making this whole education effective for everybody, not just the aggressive few.

Student action

The new Inscomm has already started attacking this problem. Minutes and agendas of meetings are now posted, and anyone interested may attend. The new Student Center Committee chairman has called, in his refreshingly frank style, for people on his committee who are interested in helping "the Tech tool" enjoy the new building.

The burden does not rest solely with the student government leaders, who can do little by themselves. We have received letters concerned with national problems; we would rather run a discussion of the uses of the Student Center, or of the Social Service Committee. What can the new facilities do for non-residents, or dorm residents, or trans-Charles fraternities?

In the weeks to come we will discuss more about student pressure, college goals, and the educative role of activities, fraternities, and other groups. We look forward to hearing the readers' views on the subject.

We can't help thinking that such an action would be looked upon as pretty amusing by the many people in the MIT community who are using their time to work constructively on the civil rights problem.

26. If the South is rising, the Institute isn't exactly lying dormant. A summary of buildings scheduled to be started this spring and summer includes: the Space Sciences Center, the Center for Advanced Engineering, the new Boathouse, the addition to McCormick Hall, and the Sloan Campus married students' tower.

The real problem will not be in the construction of new buildings, however, but in the process of getting them all dedicated. The dedication of a new building traditionally takes place at a time when the Corporation is meeting. The backlog of nearly completed buildings that will have to be dedicated at various Corporation meetings over the next year includes: the Hermann Building, the Life Sciences Building, the Materials Science Building, and the Student Center.

Letters to The Tech

Pro contra

To the Editor:

I write to protest the naive, smug, intellectually shoddy posturing of your Editorials in the last two issues.

On March 17th you said, in commenting on "Involvement in National Issues": "But to us, much more important than any one-man crusade is the existence of a scholarly community whose basic structure of tolerance and intellectual freedom eliminates the need for sweeping internal crusades which can only divide the campus as our Western fellows (presumably at Berkeley) have demonstrated." First of all, it was precisely because "tolerance and intellectual freedom" were not being honored at Berkeley that the Free Speech Movement began, and please note that this was not a "one-man crusade" (which you seem to say by sly implication) but that it was, in fact, supported in its basic demands by the great majority of the faculty. Secondly, your fear of a "divided campus" is misplaced: hard and vigorous debate is the life blood of democracy and of any intellectual community worthy of the name, and what you should fear (but seem by implication to advocate) is a cocker-spaniel-like mass of students whose greatest goal is to be passively homogeneous.

On March 23rd, partly in response to the brilliant letter about the lack of MIT involvement in civil rights, by Taylor Binkley, '67, you pointed out (from whatever moral Mt. Olympus you live on) that: "Most demonstrations are superfluous and futile; a realization of this seems to give some demonstrators the satisfaction of a martyr," and that MIT students "have limited themselves to more practical, positive, realistic work." That a minuscule number of MIT students are doing a little in behalf of their neighbors in Cambridge and Boston is all to the good, but this is hardly enough to justify your ad hominem tantrum against demonstrations.

As a matter of recognized fact, the non-violent demonstrations in the South and North were a moving force behind the passage of the Civil Rights Act of 1964 and are, now, the force behind the implementation, at long last, of the 15th Amendment. That some, like James Reeb of Boston, are martyrs is not of their own choosing. You congratulate APO and TCA for "realizing that blood is more vital than a vote," without apparently seeing the grotesque irony that for many Americans there is no choice: blood is, for them, the price of voting, and it is a price which they pay in behalf of all of us—including you.

Finally, instead of congratulating APO at this time, you might wonder aloud at their curious isolation from history, past and present, which is revealed in their sponsorship of a carnival commemorating "the hundredth anniversary of the War Between the States." The agony of that unresolved national paroxysm is

still being endured, its issues still being fought, by every relatively conscious American. (It is worth noting, in passing, that the "official" battle of the Civil War was fought in Selma, Alabama.) A small point, perhaps, but like the insular character of your editorializing, a sign that smug rationalism is no substitute for courage and compassion, even at MIT.

Myron B. Bloy, Jr.
Episcopal Chaplain

Rebely?

To the Editor:

"A Nite of Rebely"—the theme for the APO Spring Carnival '65—was adopted unanimously by the Carnival Committee in the Fall Term. With this in mind, we planned our booth in Building 10 as a Confederate fort, displaying several modified Confederate battle flags. Due to the current civil rights demonstrations, however, several calls were received at the Dean's office protesting our display. To answer our critics, allow me to make the following remarks:

1) The Spring Carnival Committee is not attempting a commentary on the present civil rights situation.

2) The fort was scheduled to be captured by Union forces when the Stars and Stripes would replace the Stars and Bars.

3) In regard to the theme itself, the war between the states did in fact end exactly 100 years ago almost to the day of carnival. (General Robert E. Lee surrendered to General Ulysses S. Grant at Appomattox, Virginia, on April 9, 1865.) Thus, we felt it very appropriate to celebrate its centennial at Carnival.

4) The theme is meant only to lend some cohesiveness to both our publicity effort and our booth designs at Carnival. That is its sole purpose.

5) That sick pun — "A Nite of Rebely" — was meant to be purely facetious, just as Carnival itself is meant to connote a night of frolic.

Harry K. Otuguro '67
Chairman
APO Spring Carnival

(To quote Pogo: "Usually we laugh at the things which don't scare us none."—Ed.)

Technique chooses '66 managing board

The Managing Board for Technique '66 was announced Saturday night at the annual banquet held at the Parker House. Joseph Baron will be the new Editor-in-Chief.

Other new officers include Business Manager Stephen Taylor, Managing Editor Roy Gamse, Executive Editor Ed Radlo, and treasurer Mel Snyder.

Bill Bloomquist will be Photography Editor for his second consecutive year.

Technique '65 will appear in about two months. However, work on the 1966 edition is already underway and will not be completed for about 15 months.

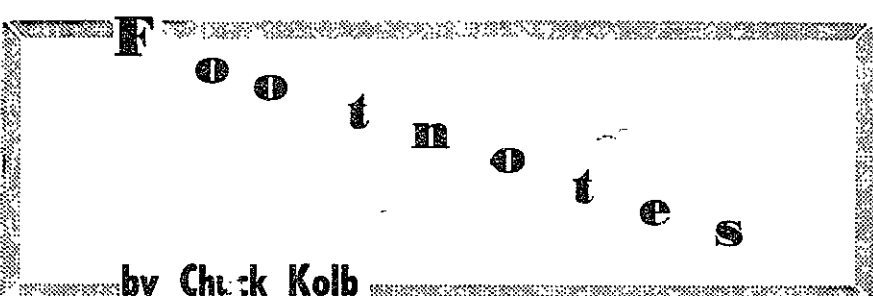


Vol. LXXXV No. 8 April 7, 1965

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by Chuck Kolb

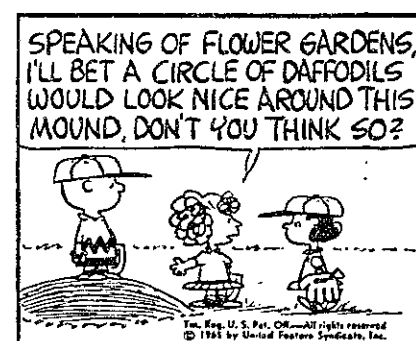
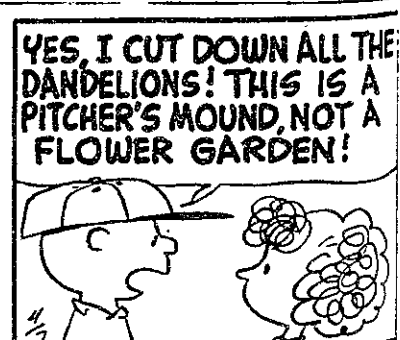
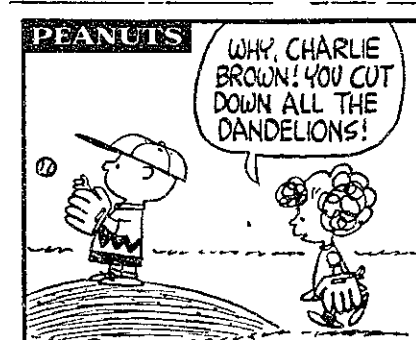
24. A noted American once said, "Save your Confederate money boys, the South will rise again!" All of us from below the Mason-Dixon Line hold the above truth to be sacred and self-evident. But we must admit that we never expected the first signs of our long cherished revival would occur in the Yankee stronghold of Cambridge, Mass.

A close look at the executive committee of Inscomm shows, however, that the well-laid Confederate plans to seize control of the MIT student government have worked perfectly. The excomm is made up of Bill Byrn, UAP, of Newport News, Virginia; Gene Sherman, Finance Board Chairman, of Memphis, Tennessee; Joel Talley, Secretariat Chairman, of Houston, Texas; Rusty Epps,

Activities Council Chairman, of Columbus, Georgia; and John Adger, Student Center Committee Chairman, of Shreveport, Louisiana.

It is rumored that one of the first official acts of the new executive committee will be to change the traditional refreshments at Inscomm meetings, from cider and doughnuts to mint juleps and cornpone.

25. Speaking of southern plots, one of the more ridiculous actions we've heard of lately is someone's request to the administration that APO be forced to take down the Confederate flag over their Carnival booth in the lobby of Building 10. Although the theme of Carnival is the civil war, this presumably sane person apparently felt that the Confederate flag was an insult to the civil rights movement.



PEANUTS appears daily and Sunday in the Boston Herald

Attention, SENIOR & GRADUATE MEN Students — U. S. Citizens needing nominal financial help to complete their education this academic year — and then commence work — cosigners required. Send transcript and full details of your plans and requirements to STEVENS BROS. FOUNDATION, INC.
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Students get tour of Cape Kennedy

Twenty-eight MIT students have recently returned from a two-day tour of Cape Kennedy, Florida, as guests of the United States Air Force.

The group included seniors and graduate students from several engineering departments who are enrolled in an interdepartmental course in systems engineering. They are conducting a preliminary design study of a manned expedition to Mars.

Other students in the same class are working on a high-speed surface transportation system between Boston and Washington, D.C.

Co-ordinating the Mars project is Abraham Hyatt, the Jerome Clark Hunsaker Professor of Aeronautics and Astronautics for 1965, formerly a director of NASA. The student project manager is Brian L. Hollenbeck, a graduate student in Aeronautics and Astronautics.

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Engineers analyze results of space flight simulations

(Continued from Page 2)

Assignment of functions to men or to automatic equipment should take into account the engineering characteristics of each.

"Unfortunately, our knowledge of the engineering characteristics of men is quite limited compared to our knowledge of the engineering characteristics of automatic guidance and control systems," Dr. Young said.

Automatic systems, they reported, almost always initially begin with calculations based on equations and specifications and mathematical models learned from laboratory studies and theory. Equipment capability can be very well predicted.

Laboratory supported by NASA Knowledge about human control capabilities is less precise and the Man-Vehicle Control Laboratory, which is supported by the Office of Advanced Research and Technology of the National Aeronautics and Space Administration through NASA's Ames Research Center. It was established recently to make detailed studies of how well the human can do.

Comparisons of visual cues and vestibular cues were among the

first studies undertaken in the laboratory.

To measure reaction and control abilities in response to vestibular cues, test subjects — volunteer graduate students from the department — were placed in the cockpit and a light-tight black hood was placed over the canopy. For testing reaction to visual cues, subjects sat in a chair in front of and facing the cockpit and used a control stick to control for roll movements they could observe but not feel.

Reactions to cues vary

The researchers found that at low frequency roll, visual cues were best for affecting corrections and vestibular cues were not particularly helpful. As roll frequency increased, however, visual cues became less useful and vestibular cues grew in importance.

Optimum control over the widest frequency range is achieved when the subjects in an unshrouded cockpit obtain both visual and vestibular cues. But by separating the two components, the MIT researchers were able to measure the contribution of each.

The researchers were aware that in the vestibular tests alone, tactile (pressure) cues through the back and seat — so called "flying by the seat of the pants" — may make some contribution. But preliminary tests to screen out tactile contributions suggest that this contribution is relatively unimportant. Subjects performed about as well when the cockpit chair was heavily padded to dampen tactile cues as when the chair was unpadded and hard and thus a good conductor of tactile cues.

The flight simulator used in the tests was supplied by the Ames Center.

A message of importance to sophomore men

If you've got what it takes to be an Army Officer, you may qualify for this new on-campus training program

A new Army ROTC program starts this coming Summer for sophomore men who apply prior to May 1—only 3,000 applicants to be accepted

If you're a sophomore now attending one of the 247 colleges and universities that offer Army Officer training—or you plan to transfer to one of these schools next Fall—you may qualify for the new two-year Army ROTC program.

This new program—designed especially for college men who have not taken Army ROTC during their first two years—will commence with six weeks of field training this coming Summer, beginning June 14. Then you'll have on-campus training during your junior year . . . six additional weeks at camp during the following Summer . . . and more on-campus training during your senior year. Even flight training is offered at some schools.

ROTC training is really a process of learning to organize and direct others—to be a leader. Consider how important this ability can be to you throughout life; yet, to acquire it you will spend relatively little time in the ROTC classroom. You'll obtain valuable junior management experience . . . a fuller and richer campus life . . . extra spending money (\$40 per month during your junior and senior school years, and even more during Summer training) . . . and, when you graduate, an Army Officer's commission as Second Lieutenant. Then you'll normally spend two interesting years on active duty, often abroad with opportunities for travel.

Talk to the Professor of Military Science on your campus about this opportunity. Ask him to describe this new short program in detail.

Or send in the coupon below for complete information. There's no obligation involved, and you'll not be subjected to any "hard sell" recruiting effort. The kind of men the Army wants can decide for themselves if this new opportunity is right for them.

If you're good enough to be an Army Officer, don't settle for less. Sign up now for Army ROTC.



Send in this coupon for more information on this new two-year on-campus Army Officer training program.

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College World

Suggestion for Spring Weekend; Sign halts commons room 'misuse'

Spring Weekend is coming up, and perhaps it is here that The Tech should make a suggestion to the Spring Weekend Committee. The suggestion derives from the efforts of the Worcester Polytechnic Institute's Junior Prom Committee to redeem the self-esteem of those who had not fared well in the race to get a date for the prom.

The committee had decided to sponsor a contest—a Shot-Down Contest—as it was termed. Anyone who was not successful in securing a date for the weekend was invited to submit a signed letter from the girl who had caused the grief. The winner was

to receive a ticket to the Saturday night show.

Affectionate sign halts lovers
Albany State's young lovers were confronted by the following sign in one of the commons lounges: "Displays of personal affection are not allowed." The big decision to initiate the sign came after several weeks of deliberation in which the lounge received "much abuse by the students using it."

One of the administration was heard to comment that the purpose of the sign was to "improve the situation in the lower lounge. Before we put signs up it became difficult to preserve any semblance of order in the lounge especially with reference to excessive display of affections and/or lust." He added that the sign had been effective since its inception.

Comments might be made here, but let it rest with the one of a certain coed of Albany State when she was confronted with the sign, "Oh, God! It's pure Hathaway!"

60 per cent don't
A recent study of various freshmen classes at Ohio State University revealed an interesting fact. Figures released by the Registrar's Office there showed that only about 40 per cent of the freshmen who enroll at Ohio State graduate.

The reason given for student

failures was that of lack of ability at various different levels. Some students just don't have the ability to deal with words and numbers, said Paul McMinn, assistant dean of student personnel in the College of Education.

Diamond mine

A student at Wesleyan University has a rather unique way of financing his education. Irv Richter, a junior, runs the University Diamond Company. The company offers diamonds at a discount to students at various campuses.

Richter convinced a large ring manufacturer in New York of the soundness of his plan which would offer diamond rings at a discount price. The price saving for the student who buys from the company averages, according to Richter, about 50%. The rings are guaranteed for life if the buyer has the ring appraised.

Richter noted that his business has a present worth of about \$100,000. From projection of past records of college engagements he expects to be handling a million-dollar volume in the next three or four years.

For the final note: we received the Ohio State Lantern which mentioned that the editor of the student newspaper at Delta State College in Cleveland, Miss. was removed by the college president. Editor Jack Steele of the Miss. Delta was removed after the Jan. 12 edition of the newspaper carried a headline over a movie column reading, "Pussy Galore" Typical of James Bond's Girls."

Techtonians reach finals in nationwide competition

The Techtonians, M.I.T.'s concert jazz band, made it to the finals of last weekend's Villanova Intercollegiate Jazz Festival, held at Villanova University in Philadelphia. The Festival consisted of the semi-final and final rounds of a competition among over 30 college jazz groups across the country. Bands were invited to semi-finals on the basis of taped auditions. The judging panel for this weekend's final competition included noted jazzmen Maynard Ferguson, Phil Woods, Bob Share, Dan Morgenstern, Stan Kenton, and Oliver Nelson.

Six big bands, including the Techtonians, appeared in the semi-final rounds on Friday and Saturday. On the basis of this performance, three big bands were selected to compete in the Saturday evening finals, along with four combos and two vocalists. The big band finalists were the Techtonians, the Phi Mu Alpha Lab Band from Ohio State, and the Criterions from Westchester.

Final winners included the Brian Trentham Quartet from Columbia in the combo division, and Trudy Desmond from Hampton Institute in the vocalist category. The Criterions took the big band title as well as the award for the best overall group appearing.

Awards were presented to the most promising musician on each instrument. MIT's Carey Mann was named the most promising guitarist of the festival and was presented with a new guitar. In addition, all of the finalists received record albums.

Saturday night's final round was carried world-wide by the ABC Radio Network, Radio Free Europe, and the Armed Forces Radio Service.

The Techtonians came to the festival from an appearance the previous week end at the Nathaniel Hawthorne College Jazz Festival in New Hampshire. They are hoping to play one more concert at MIT this term, and to return to Villanova next year for another shot at the national title.

Making the Scene

THIS WEEK MUSIC

New England Conservatory—Ildefonso Torres Lauron, flutist. April 7, 8:30 pm; Jordan Hall.
Folklore Concert Series—Chad Mitchell Trio; April 9, 8:30 pm; Symphony Hall; admission charged.
Baltic Concert Series—Kabi Lareti, piano; April 9, 8:30 pm; Jordan Hall.
Tufts University—Fine Arts Woodwind Quartet; April 9, 8:15 pm. Cohen Auditorium.
Boston Symphony Orchestra—Concert: Aaron Copland, guest conductor. April 9 at 2:00 pm and April 10 at 8:30 pm; Symphony Hall.
M.I.T. Symphony Orchestra—Concert. April 10, 8:00 pm; Kresge Auditorium.
Thirsty Ear—Carolyn Hester, folksinger. April 9 and 10, 8:30 pm. Admission free.

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11	12	13	14	15	16	17
18	19	20	21			

slon \$1.50. M.I.T. Graduate House Pub.
Celebrity Series—Juilliard String Quartet; April 11, afternoon.
Boston Symphony Orchestra—Erich Leinsdorf, conductor; April 11, 3:00 pm. Symphony Hall.
M.I.T. Chapel Organ Series—Concert by M.I.T. students. April 11.
Thirsty Ear—The Oxford Street Stompers, New Orleans jazz specialists; April 11, 8:30 pm; M.I.T. Graduate House Pub. Admission free.
N.E. Prep School Chorus—Concert. April 11, afternoon.
Gardner Museum—New York Woodwind Quintet; April 11, 3:00 pm; admission free.
Boston University Faculty Recital—Faculty Quartet; April 13, 8:30 pm. B.U. Concert Hall.

LECTURES

International Student Association—Alden Smith, "Glimpses of Cambodia"; April 7, 8:00 pm.
Tufts—Henry Cabot Lodge; April 7, 8:00 pm; Cohen Auditorium.
Junior Science Symposium—April 8 and 9, Kresge Auditorium.
Hayden Library Lounge—Poetry readings by Anthony Ostroff; April 9, 8:30 pm. Admission free.
Ford Hall Forum—John D. Coughlan and Edward M. Daniels, M.D., "An Age of Violence." April 11, 8:00 pm; Jordan Hall.
International Student Association—Panel: "African Students View the Congo Crisis," chaired by Kafui Asem of BU; April 12, 8:00 pm.
Brandeis University—"The Extreme Left Wing in America," Sidney Hook; April 13, Olin-Sang Hall; admission \$1.00.

MISCELLANEOUS

Institute Of Contemporary Art—Exhibit: "Painting without a Brush." Through April 25.
Hayden Gallery—"New Art of Abstracting," through April 25.
The Fishermen's Play—Faust-Part I, April 8-11; St. Mark's Methodist Church; admission for students, \$1.00.
New England Sculptors' Association, Inc.—Student Exhibition April 13-17 and 20-24, 2 to 4 pm.
NEXT WEEK MUSIC
Chinese Opera—"Mu Kueh Fort," April 17, 8:30 pm; Kresge Auditorium; tickets \$2.50 and \$4.00.
War Memorial Auditorium—Metropolitan Opera Company, April 19, "Samson et Dalila"; April 20, "Turandot"; April 21, "Der Fliegende Holländer".

MISCELLANEOUS

ISO—Harry Golden; April 14, 8:00 pm; Kresge Auditorium.
Pine Manor Junior College Foreign Film Series—"Tomorrow is My Turn," (French), April 15, 7:30 pm; Bardwell Auditorium, Wellesley, Mass.
Ford Hall Forum—Ayn Rand, "The New Fascism: Rule by Consensus"; April 18, 8:00 pm; Jordan Hall; admission free.
Dramashop—Major Production; April 21; Kresge Little Theatre.

HARVARD SO UN 4-4389

"Seance on a Wet Afternoon" plus short subject "A Comedy Tale of Fanny Hill," feature shown at 1:15, 3:15, 5:25, 7:35, 9:45.

BRATTLE SO TR 6-4225

End of Great Directors Series:

Bunuel, "Los Olvidados" (Wed.-Thurs.) and "Viridiana" (Fri.-Sat.), shows daily 5:30, 7:30, 9:30, mat. Sat. at 3:30.
April 11-17: First Boston showing, original uncut version Marcel Carne's "Children of Paradise," daily 5:15 and 8:30 only, mats. April 11 and 17 at 2:00

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at mit... Rutgers Wind Ensemble at MIT

The Rutgers Wind Ensemble, Richard C. Gerstenberger, Conductor, "Feierlicher Einzug," Richard Strauss; "Festal March," Philip James; "When Jesus Wept," and "Chester" from "New England Triptych," William Schuman; "Concertino," Opus, Carl Maria von Weber; "American Overture for Band," Joseph W. Jenkins; "Commando March," Samuel Barber; "Solo Pomposo for Tuba," Al Hayes; "Lincolnshire Posy," Percy Aldridge Grainger; "Coat of Arms," George Kenny.

larly to be commended for the most able passage work of the afternoon.

Samuel Barber's "Commando March" gives the clarinets some juicy work in the low register, which the Rutgers clarinets were quite well up to. The piece is an easy one to prepare, and not hard to listen to either.

"Solo Pomposo for Tuba" by Al Hayes is an unmitigated bore, musically. Casimir Bork Jr. did his best to make an inherently logy instrument seem agile, and even furnished some of the power which had been sadly lacking earlier in the program, but the piece itself was just hopeless.

As has been said, "Nothing's stranger than Grainger," and his "Lincolnshire Posy," a nosegay of five freely adapted English folksongs, is as weirdly wonderful as anything he wrote. On the whole, the ensemble handled this ambitious undertaking with aplomb, marking this as the high point of the program.

Mr. Gerstenberger, however, evidently felt compelled to offer a bow to the traditional, and closed the concert with George Kenny's concert march "Coat of

Arms." This was a mistake. After their competent rendition of the complex rhythmic patterns in the Grainger, the ensemble rushed hideously and nearly fell apart on the relatively straightforward rhythms of a simple march. I hope they weren't that eager to leave frigid Boston for their southern climes!

It's a critic's duty to find fault and certainly I've found aplenty. But it's only fair to add that the hardy few who ventured through the snows passed a pleasant afternoon. The Rutgers ensemble's intonation and precision (except in the last number) were indeed commendable, and a large part of what seemed lack of spirit undoubtedly stemmed from the unaccustomed size and acoustical clarity of Kresge (we of the MIT band can sympathize with them for the acoustics with which they must normally deal!).

It seems not unlikely that we may trade concerts again; let me close, then, with a Texanisms addressed to them from all of us who heard the concert: "Y'all hurry back now!"

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Movie Schedule

MOVIE SCHEDULE
ASTOR — "Dr. Strangelove," 1:00, 2:45, 4:35, 6:20, 8:05, 9:55.
BEACON HILL — "How to Murder your Wife," 3:30, 5:45, 8:00, 10:00. Sun. at 1:00, 3:05, 5:15, 7:30, 9:45.

BOSTON CINERAMA — "The Greatest Story Ever Told," 8:00, Sun. at 2:00.

BRATTLE — "Los Olvidados," (Wed.-Thurs.), "Viridiana," 5:30, 7:30, 9:30, mat. Sat. at 3:30.

CAPRI — "Zorba the Great," 11:15, 1:50, 4:25, 7:00, 9:30.

CENTER — "The Moon is Blue," 1:20, 5:25, 9:25.

CINEMA — KENMORE SQUARE — "Marriage Italian Style," 2:10, 4:00, 5:50, 7:40, 9:30.

COOLIDGE CORNER — "Hush," "Hush Sweet Charlotte," 2:20, 5:30, 8:30.

ESQUIRE — "The Servant," 8:00.

EXETER — "The Promoter," and "School for Scoundrels," 2:00, 5:00, 8:05.

GARY — "The Sound of Music," 8:30.
LOEW'S ORPHEUM — "Love has Many Faces," 1:00, 3:55, 6:50, 9:50.

HARVARD SQUARE — "Seance on a Wet Afternoon," plus "A Comedy Tail of Fanny Hill," 1:15, 3:15, 5:25, 7:35, 9:45.

KEITH MEMORIAL — "John Goldfarb, Please Come Home."

MAYFLOWER — "None But the Brave," and "Pajama Game," 1:00, 5:00, 8:50.

MUSIC HALL — "Goldfinger," 10:00, 12:00, 2:00, 4:00, 6:00, 8:00, 10:00.

PARIS — "Nothing but a Man," 1:30, 3:10, 4:50, 6:40, 8:15, 10:00.

PARK SQUARE CINEMA — "Marriage Italian Style," 2:10, 4:00, 5:50, 7:40, 9:30.

SAXON — "My Fair Lady," 8:30, Sun. at 7:30, mat. at 2:00.

SYMPHONY CINEMA — "The Cool World," 1:30, 3:30, 5:30, 7:30, 9:30.

WEST END CINEMA — "Fanny Hill," 11:30, 1:35, 3:40, 5:45, 7:40, 9:50.

Theatres

CHARLES PLAYHOUSE — "The Plough and the Stars," 8:30, Sun. 3:00 and 7:30, Sat. 5:30 and 9:00.

COLONIAL — "From the Second City," 8:30, mat. Thurs. 2:15.

SHUBERT — "The Roar of the Greasepaint, the Smell of the Crowd," 8:30, Th.-Sat. 2:30 mat.

THEATRE COMPANY OF BOSTON — "Waiting for Godot," Sat. 6:30, 10:00, Sun. 8:30.

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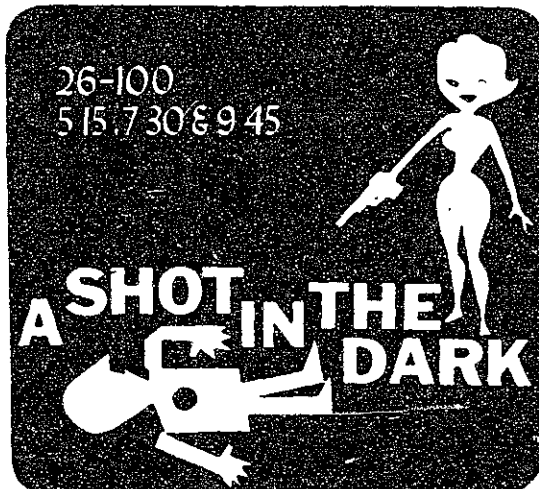
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Proof of membership in the MIT Community is required.
Dates and members of immediate family also admitted.

Looking Back

Sports dead as Cornell picks crew

By Bob Horvit
75 Years Ago

On May 1, 1890, the following two articles appeared in The Tech:

Athletics have been abolished from the Cornell campus, much to the regret of the students.

The Cornell crew has finally been selected, and Courtney says that they will equal last year's crew.

Since "the Chapel" has been closed to minors there is scarcely a Freshman under twenty-one years of age.

50 Years Ago

University of Illinois scientists are searching for the "invisible sleep microbe," to explain the drowsiness of students in classrooms. When it is found they plan to inoculate the students against this very prevalent "disease." The Columbia Spectator suggests that greater success might be obtained if search were made in the subject matter of the lecturers.

25 Years Ago

In the April 29, 1939 issue of The Tech the following article appeared:

The Tech's Platform

1. Three more domes on the Institute.
2. MIT subway system, covering main building, fraternities and dormitories.

3. More elevators anywhere.
4. More and better coeds.
5. Drain the Charles River Basin.
6. Paint the town red.
7. Put my roommate to bed.

Why Are We at Tech?

Are we here to study No! A thousand times NO! Do we learn life from textbooks? Again NO! We learn life from our social contacts and from our activities. We are here to learn how to enjoy ourselves.

Tech would be a hell of a lot of fun without classes! Yeah Man!

What this school needs is lots of no-classes! How can we develop ourselves when we have to sit for hours and listen to facts? When we actually have to spend

hours with a sliderule? Hours we should be using to expand our personalities and in making social contacts!

This Policy Is Short-Sighted!

It cramps our time, and makes us worry. And they have the nerve, the unmitigated gall, to charge us money for ruining our fun!

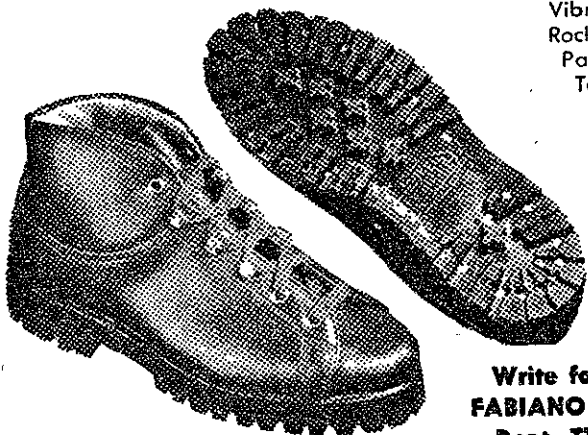
Fellow Students; We Must Rise!

Are we to stand for this imposition! We are NOT! United we can overthrow our oppressors! Now is the time to act!

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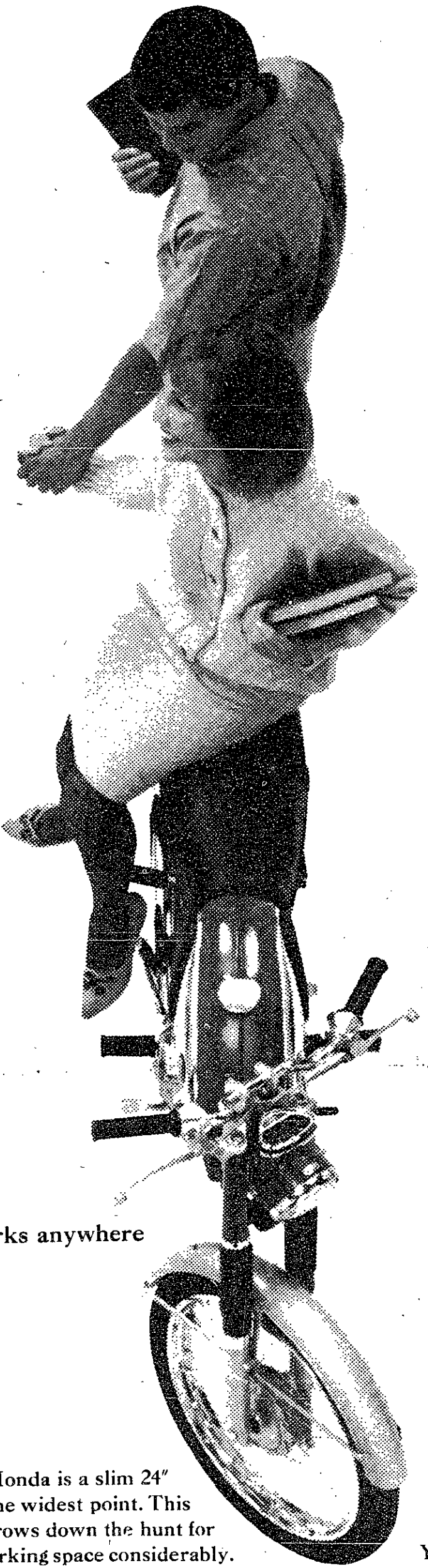
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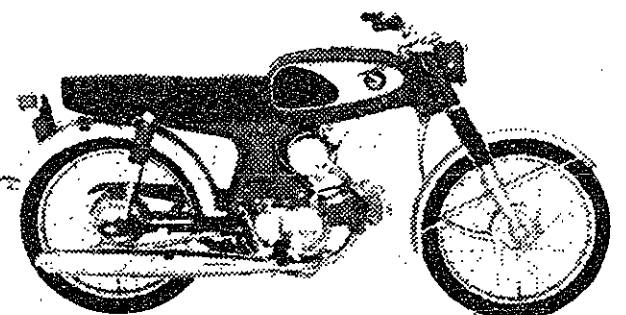
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Squash
Baker D 2, Theta Delta Chi I
Burton C 0, Theta Delta Chi B 3
Grad House C 3, Theta Xi 0
Burton B 3, Theta Delta Chi 0
Grad House A 3, Zeta Beta Tau 0

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Intramural results

Sigma Chi I, East Campus B 2
Baker B 3, Tau Epsilon Pi 0
Grad House B 3, Zeta Beta Tau 0
Grad House C 3, Theta Xi 0
Grad Economics 3, Delta Upsilon 0
Grad Economics 3, Alpha Epsilon Pi 0
Project Mac 3, Burton D 0
Lambda Chi Alpha 3, Baker D 0

Volleyball
Chinese Students over Club Mediterranean 10-15, 15-5, 15-10
Club Mediterranean over Beta Theta Pi 15-10, 15-6
Chinese Students over Alpha Tau Omega 15-5, 15-7
Chinese Students over Baker A 15-12, 15-11
Club Mediterranean over Phi Sigma Kappa 15-7, 15-4
Alpha Tau Omega over Burton 4A 15-9, 15-7
Beta Theta Pi over Sigma Alpha Mu 15-9, 15-9

Table Tennis
Burton C 5, Senior House B 0
Burton A 5, Alpha Epsilon Pi C 0
Alpha Epsilon Pi E 5, Delta Upsilon 0
Grad House A 4, Alpha Tau Omega 1
Burton A 5, Tau Epsilon Phi A 0
Bexley B 5, Theta Xi B 0
Senior House A 5, Zeta Beta Tau 0
K-Dot-P 5, Phi Sigma Kappa 0
Baker Q 3, Theta Delta Chi 2
Baker Stigas 5, Tau Epsilon Phi B 0
Senior House C 5, Theta Chi 0
Juventus 5, Baker D 0
Chinese Student Club A 5, Baker E 0
Alpha Epsilon Pi E 5, Phi Mu Delta B 0
Alpha Epsilon Pi A 5, Sigma Phi Epsilon 0
Baker A 5, East Campus A 0
Burton D 5, Sigma Alpha Epsilon 0
Burton B 5, East Campus B 0
Baker F 3, Phi Sigma Kappa 2
Burton E 5, Phi Kappa Theta B 0
Alpha Epsilon Pi A 5, Bexley A 0
Burton C 4, Chinese Students Club B 0
Burton F 4, Tau Epsilon Phi C 1
Grad House A 4, Alpha Epsilon Pi B 1
Phi Kappa Theta A 4, Bexley B 1
Senior House A 5, Baker C 0
K-Dot-P 4, Sigma Alpha Mu 1
Delta Kappa Epsilon 5, Baker Q 0
Sigma Alpha Epsilon 5, Phi Kappa Theta A 0
Theta Xi A 3, Baker Z 2
Grad House Dining 5, Phi Kappa Sigma 0
Grad House A 4, Lambda Chi Alpha 1

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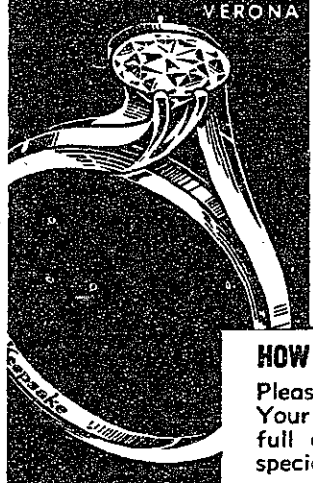
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Grad crewmen win opener; Chinese students win upset Defeat St. John's heavys to take IM volleyball crown

How They Did

The MIT graduate eight-oared crew rowed to victory last Saturday against St. John's University heavyweight varsity in the crews first race of the season.

The graduates met their opponents in a regatta of the New York Rowing Association on the choppy waters of the 2,000-meter Hunter Island Lagoon course at Orchard Beach, N.Y., where the Olympic trials were held in 1964.

Using a borrowed shell, the crew had to defy a stiff, 3-0-knot wind as well as the shooting aimed at them from a rifle-range along the shore of the lagoon.

The MIT boat consisted of Adam Bell (bow), Paul Blalock, Bill Johnson, Paul Fine, Ralph Kopperman, Jean Balling, Chuck Roth, John Barton (stroke), Ray Kaempfer (coxswain), and was coached by Ray Kaempfer.

In their first race of the season, the crew attained a slight advantage in the start but St. John's, rowing at a rating of 36 strokes a minute, led by half a length after 500 meters. MIT, stroking a steady 29 throughout the course, stayed calm and despite desperate efforts from St. John's passed easily in the last 500 meters. Without increasing the stroke and keeping their blades clean from the waves, the Grads finished a full length ahead. The time was 7:33.7. Earlier in the day, BU defeated Fordham and St. Joseph's beat Iona College.

The Chinese Students Club staged the biggest upset in recent intramural volleyball history when they stopped perennial winner Club Mediterranean in the finals of the volleyball tournament March 25. The two teams, undeniably the most professional looking teams in the tourney, played the finest series of games seen at MIT in years. The Chinese Students had to overcome a 10-15 first game loss to go on and win the final two, 15-5 and 15-10, and wrest the volleyball crown from Club Mediterranean, which has held it for seven years.

Both the finalists gained the deciding round with highly lopsided victories in the semi-final round March 24. Club Mediterranean topped Beta Theta Pi in two straight 15-10 and 15-6, while the Chinese Students walked over Alpha Tau Omega by scores of 15-5 and 15-7.

The eight teams in the quarter-

finals included the four eventual semifinalists and Phi Sigma Kappa, Sigma Alpha Mu, Burton 4A and Baker A. Baker went down to defeat at the hands of the Chinese Students 12-15 and 11-15, while Phi Sigma Kappa was trounced by Club Mediterranean 7-15 & 4-15. In the other two games ATO stopped Burton 15-9 and 15-7 while the Betas beat the Sammys in two games by identical 15-9 scores.

The final four rankings in the 70 team MIT IM volleyball competition were: Chinese Students Club, 1; Club Mediterranean, 2; Alpha Tau Omega, 3; and Beta Theta Pi, 4.

The tournament scores:
Chinese Students over Club Mediterranean 10-15, 15-5 and 15-10.
Club Mediterranean over Beta Theta Pi 15-10 and 15-6.
Chinese Students over Alpha Tau Omega 15-5 and 15-7.
Chinese Students over Baker 4 15-12 and 15-11.
Club Mediterranean over Phi Sigma Kappa 15-7 and 15-4.
Alpha Tau Omega over Burton 4A 15-9 and 15-7.
Beta Theta Pi over Sigma Alpha Mu 15-9 and 15-9.

Sailing
MIT (V), placed first in Geiger trophy
MIT (F) placed fourth in Minor at Coast Guard

Crew
1. MIT (F) lights
2. MIT (F) heavies
3. MIT (F) 2nd heavies
4. MIT (V) 3rd heavies
5. Trinity (F) heavies

Lacrosse
MIT (V) 10, Franklin & Marshall 2
Pennsylvania 5, MIT (V) 0
Hofstra 12, MIT (V) 3
C. W. Post 10, MIT (V) 9
Adelphi 5, MIT (V) 3

Baseball
MIT (V) 3, Howard 0
Catholic U. 9, MIT (V) 1
MIT (V) 9, Pratt 7

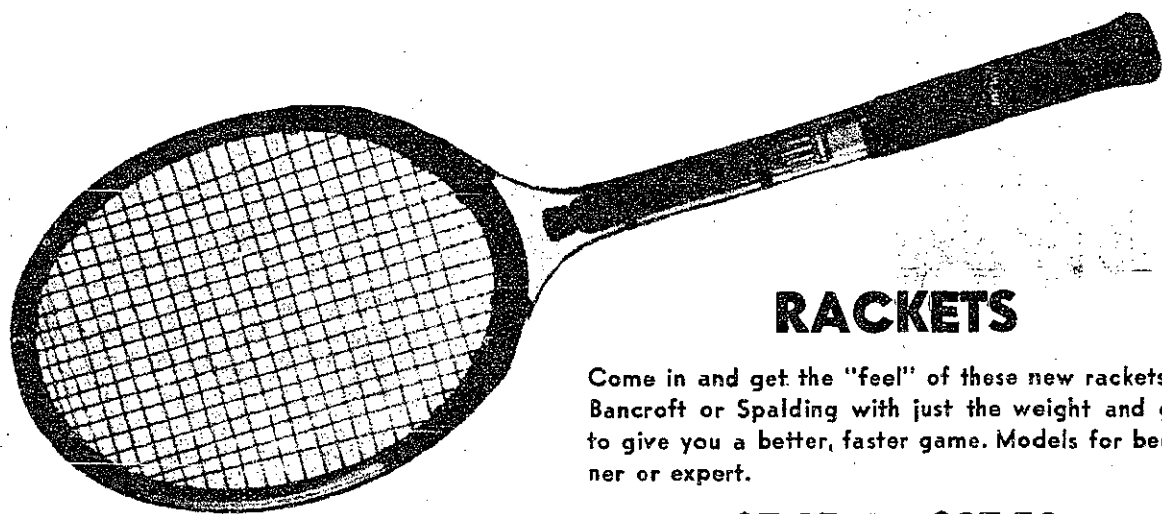
Tennis
North Carolina 6, MIT (V) 0
(called because of rain)
MIT (V) 6, Ohio U. 3
North Carolina State 6, MIT (V) 2
(called because of darkness)
Olde Providence 9, MIT (V) 0
Georgetown 8, MIT (V) 1

Rugby
MIT A 6, Amherst 3
MIT B 12, Amherst 0
Brown 13, MIT A 0
Brown 3, MIT B 0

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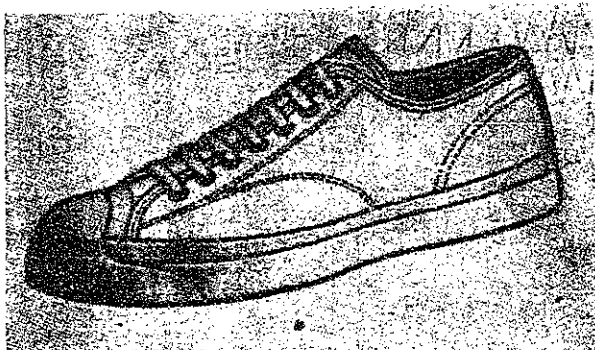
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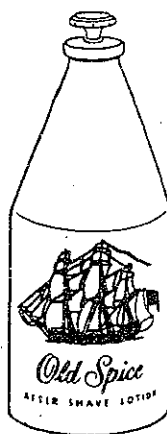
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Lacrossmen win opener, lose four

By Neal Gilman

The MIT varsity lacrosse team coached by Ben Martin, finished a rather disappointing spring trip, winning the first and losing the next four. In the first game, MIT, clearly superior to Franklin and Marshal, trounced them 10-2. But the lacrossemen proceeded to lose to U. of Penn. and Hofstra by scores of 0-5 and 3-12. With the next two schools, C.W. Post and Adelphi, the games could have gone either way. Unfortunately MIT was on the short end twice, losing 9-10 to CW Post and 3-5 to Adelphi.

Kirkwood scores 6 points

In the first game of the season, Pete Kirkwood '66 gave an outstanding performance, scoring one goal and 5 assists for a total of 6 points. Kirkwood's perform-

ance set a new scoring record, surpassing the record performance of Joe Skendarian '61, a former All-American, who scored 4 goals and one assist in a game. Sophomore Steve Schroeder in his first varsity game also performed well, scoring 3 goals and one assist.

In the U. of Penn. game, MIT was clearly outclassed by Penn.'s stick handlers. Penn controlled the ball the majority of the time, causing MIT's scoring punch to suffer severely.

Against Hofstra MIT was also overpowered. The Engineers were held scoreless until late in the second period when Wood quick-sticked a pass from Mandle past the Hofstra goalie. Wood later scored again in the third quarter with a pass from Kirkwood. The

final MIT score was in the fourth quarter by Schroeder, assisted by Wood.

Score 10-9 C W Post

The C. W. Post game was the most exciting game to date. The first half was all Post's while the second was all MIT's Post relying on fast breaks which caught the MIT defence off balance, scored a total of 8 goals in the first half. Art von Walberg '67 was the only MIT player to score in this half. At half time, with the score 1-8, the game seemed lost. In the second half, however MIT out-hustled, outran, and out-played the Post team, outscoring them 3-1.

With the score 9-4 at the third quarter, the game was far from over. Controlling the ball about 85% of the last quarter, the team scored 5 goals to Post's one.

Coming into the Adelphi game, the team had high hopes. MIT, however, quickly fell behind as Adelphi caught the MIT goalie unprepared.

The difference in the game was determined by MIT's failure to score in man-up situations. Several times during the game, MIT was up two or even three men, up but failed to drive past the Adelphi defense.

Tight ping-pong races set stage for playoffs

The intramural table tennis season enters the last week before the playoffs with exciting battles for first place in each of the five leagues in the major division. The top two teams in each league are undefeated and will meet each other in their last game of the season to determine the respective winners.

Playing next Tuesday night are Alpha Epsilon Pi A vs. Baker Stigas, Baker A vs. Graduate House A, Juventus vs. Burton C, and Burton B vs. Senior House A. Winding up the season Wednesday is the tough Burton A vs. Chinese Students Club A battle. All the other major league teams are also trying to win their final match and clinch a playoff berth.

Final playoff schedules are being held up until regular season play is almost completed. In that way, attempts can be made to minimize post-season matches between teams from the same living group and between teams that played each other during the regular season.

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Sailors win Geiger trophy

Tech sailors roared to the first victory of the spring season winning the Geiger Trophy Sunday, April 4. If Tech sailing supremacy continues, the Atlantic may soon become a M.I.T. pond.

The regatta was sailed for the Geiger Trophy on our home waters. Charles River sailors delighted in the shifty north-west winds varying from 0 to 17 miles per hour, shifting as much as 180° on one leg of the course. As usual Joe Duplin, MIT sailing coach, set the windward mark close to the Cambridge shore and the Harvard Bridge. Consequently the wind was obstructed from almost every direction during the race. This produced a highly complicated situation as six distraught skippers blundered through extremely shifty winds that varied in intensity.

Sailing for MIT in "A" division were Don Schwanz, '66 Terry Cronberg, '66 and Chet Osborn, '67 in "B" division were Tom Maier, '67 Ed Shaw '65 and Joe Smullin '66. Both divisions remained undefeated during the entire regatta. Especially sweet to Tech rooters was the defeat of the University of Rhode Island skippers races by the greatest margin possible.

Competing for the Geiger trophy were MIT, URI, and Dartmouth. URI is the one team that defeated MIT in the fall season this year. Sunday they sailed a good clean regatta, but lacked either talent or acclimation to the cold northern climate. Dartmouth did surprisingly well by concentrating more on fouling out opponents than sailing the boats fast. Their few attempts to sail

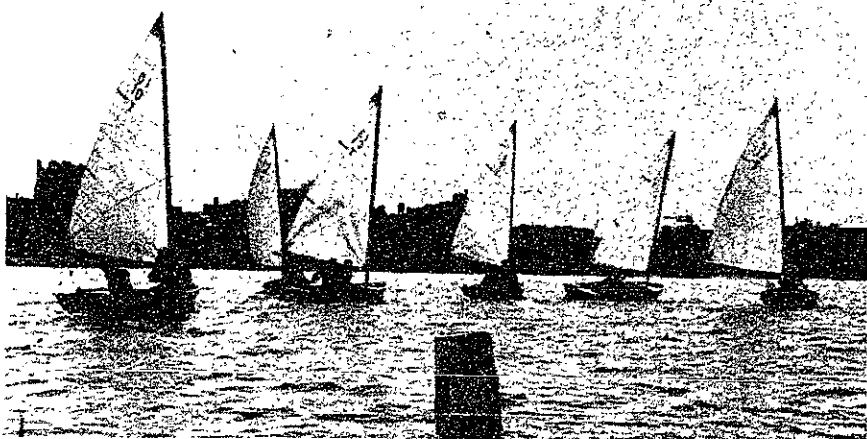


Photo by John Toroda

Shown on the Charles are Tech's A division sailors racing against Dartmouth for the Geiger Trophy April 4. In the MIT boats are Terry Cronberg, Chet Osborn and Don Schwanz. The sailors beat Dartmouth and URI for the trophy.

the boat well were marked with failure.

MIT was involved in only one protest, and this with URI Ed Shaw, the "Boston Bomber" in sailing circles, threw his well known "come and get me" glance

at a Rhode Island skipper who promptly came and got thrown out of the race, for luffing without rights. The Bomber not only hit the offender, but touched still another Rhode Island boat, slowing both of them.

Frosh sports

Light crew tops heavies, Trinity

By John Kopelow

The frosh lightweight crew showed signs of being the best freshman rowing team MIT has had in several years last Saturday on the Charles. The frosh heavyweights sent two boats against the freshman heavies of Trinity College; Tech's frosh

lights and the 3rd varsity heavies also rowed.

The one and five-sixteenth mile race was into a strong headwind and began with the first frosh heavy boat, Trinity, and the 3rd varsity heavy battling for the lead. At Harvard Bridge Trinity showed it couldn't keep pace while the frosh lights and heavies moved up.

The last half mile of the race saw the first heavy frosh and the lights battle it out for first, with the 2nd heavy frosh and the varsity boat vying for third.

The lights slowly moved up and crossed the line one-half length ahead of the first frosh heavy boat; the 2nd frosh finished in front of the 3rd varsity, and Trinity finished several sailing more lengths back.

This ended spring vacation for the crews, all of which showed much hope and determination. The light frosh proved what they could do, and although there are

Baseball team wins two; winning season indicated

By Russ Mosteller

MIT's baseball team started the season on an auspicious note, winning two of their first three games, while a fourth against Stevens Tech was cancelled due to snow.

The first game was played against Howard University in Washington, D.C., and featured an outstanding three hit pitching job by Jack Mazola '66. Mazola enhanced the 3-0 shutout with an eight-strikeout performance. In contrast he walked but one man.

error helpful

Tech dented the plate for the first time in the third inning when Jeff Altman '67 received a bases-loaded walk, one of seven passes issued by the Howard U. hurlers. The rally was launched with singles by Rick Papenhausen '67 and Mazola Tom Bailey '66 received another walk to load the bases with two out. Ben Gikis '67 lofted a fly ball that the right fielder got a glove on but failed

to hold, allowing two runs crossed the plate.

beaten by Catholic U

The Techmen's second encounter was less successful. They went down to a 9-1 defeat at the hands of Catholic University of Washington and could manage only three hits in doing so. MIT's real downfall came in the error column. They committed eight miscues, paving the way for six unearned CU runs.

Roy Wytenbach '65 scored Tech's only run in the third inning. With one out, he received a walk and promptly stole second. He came home on a single by clean-up man Papenhausen. Rick Gander turned in a creditable pitching performance in a losing cause, giving up 3 earned runs, and striking out seven in the seven frames he worked.

outslug Pratt

The second victory of the trip came in a 9-7 slugfest over Pratt Institute of Brooklyn. Papenhausen pitched the entire game for Tech, striking out 12 but also issuing 7 free passes.

The game was decided in the seventh inning when MIT scored six runs to jump from a 6-2 deficit to an 8-6 lead. With one out, Papenhausen was hit by a pitch, Altman singled and Erik Jensen '67 received a walk to load the bases. Bailey singled for one run, and Gikis drove home two more with an opposite-field single. After another walk loaded the bases again, Ron Norelli '67 scored from third on a wild pitch and Wytenbach completed the scoring with a two-run single.

On Deck

Friday, March 9

Track (V)—Colby, home, 4:00 pm

Saturday, March 10

Baseball (V)—Wesleyan, Home, 2:00 pm

Lacrosse (V)—Holy Cross, Home, 2:00 pm

Lacrosse (F)—Governor Dummer, Home, 2:00 pm

Tennis (F)—Browne and Nichols, Home, 2:00 pm

Heavy Weight Crew (V)—BU, Home, 5:00 pm

Heavy Weight Crew (JV)—BU, Home, 4:30 pm

Heavy Weight Crew (F)—BU, Home, 4:00 pm

Heavy Weight Crew (3rd V)—BU, Home, 3:30 pm

Heavy Weight Crew (2nd F)—BU, Home, 3:00 pm

Light Weight Crew (F)—Tabor Academy, Home, 2:30 pm

Baseball (F)—Middlesex School, Away, 2:00 pm

Tennis (V)—Massachusetts, Away, 2:00 pm

Sunday, March 11

Sailing (V)—Boston Dinghy Cup at Coast Guard

Sailing (F)—Freshman Minor at Tufts

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Vitale recognized master by fellow fencing coaches

By Gerry Banner

Silvio Vitale, MIT's fencing "maestro," was recently awarded the title of Fencing Master by the National Fencing Coaches Association of America. This title is reserved for those coaches who have reached the epitome of fencing teaching, and Vitale joins only twenty other Fencing Masters in the country.

Vitale has been coach at MIT since 1949, and his teams have compiled an 82-73 record while winning two New England championships. Master Vitale was only a part time member of the MIT community until 1958 when he joined the Physical Education staff as fulltime fencing instructor and coach.

As interesting as his present award is, Vitale's past is remarkable. He was taught some fencing fundamentals as a boy by his father, who was also a qualified fencing instructor. According to an arrangement with the Boston Museum of Fine Arts, Vitale attended the Royal Academy of Fine Arts of the University of Rome where he earned the Master of Fine Arts degree.

A very accomplished painter, Vitale has done much professional work with landscapes and portraits, and it was only his dedication both to fencing and the MIT community that relegated



Silvio Vitale

his former profession to an active hobby.

In addition to his fencing duties, Vitale's love for his pupils has enabled him to serve MIT in many ways. He is presently the head advisor to Alpha Phi Omega, national service fraternity, and has been president of the Cambridge Kiwanis Club and past head advisor to the local DeMolay.

Netmen win one, lose four on spring tennis trip; Team looks strong in 6-3 victory over Ohio U.

By Steve Kanter

The varsity netmen competed in five matches in six days on their annual spring trip to the south. They returned home Saturday, disappointed in their 1-4 ledger, but with buoyant hopes for the remainder of the schedule.

The first match was with the perennially strong University of North Carolina on a rainy and windy Monday afternoon in Raleigh. The Carolinians have made it a habit in previous years to dispose of Tech with little effort, and Monday was no exception. When the doubles matches were finally called because of excessive precipitation, the score stood NCS 6, MIT 0.

On Tuesday the inclement weather continued, but the Techmen rebounded strongly with a 6-3 victory over Ohio University. Bill Petrick '65 won 10-6, Paul Ruby '66 was upset 6-10, Eric Coe '67 was victorious by 10-4, Dick Chandler '66, 10-5, John St. Peter '67, 10-7, and George Kraus '67 decimated his opponent 10-2. The doubles team of Petrick-Ruby won 10-7, while Coe-Chandler lost 9-11, and St. Peter-Kraus were beaten 7-10. The unusual ten game sets were necessitated by early darkness.

The top match of the trip came on Wednesday against North Carolina State on their home courts in Charlotte. Petrick started slowly, losing the first four games, but fought back gamely for a 6-4, 3-6, 6-4 victory. Ruby, St. Peter and Kraus all dropped marathon three set affairs, Coe lost in two, but Chandler kept Tech's hopes alive with a clutch 6-3, 6-1 victory. Ruby-Petrick won their first set 6-0 and then Paul re-injured his ailing knee. It was only a matter of time before the "Statens" eliminated this last hope, 7-5, 7-5. Coe-Chandler were also defeated in a now meaningless match.

The final two matches were against Olde Providence Raquet Club and Georgetown College, both of which totally outclassed the netmen, 9-0 and 8-1 respectively. Petrick played excellently as he won a set from the fourth ranking men's player in North Carolina.

Schwanz also on team

Terry Cronburg captains national collegiate team

By Mark Wallace

The Intercollegiate Yacht Racing Association of North America named, last March 24th, a team of intercollegiate sailors to represent the United States in competition for the Sir Thomas Lipton Cup in Great Britain this summer. Terry L. Cronburg, '66, and Donald K. Schwanz, '66, were named to the seven-man squad, and Cronburg has been selected as the team captain by the Association.

Other members of the team will be Scott Allen of the University of Southern California, Bob White of Ohio State, and Chuck and Art Paine, of Brown and University of Rhode Island, respectively. The group will be divided into three two-man crews for the Firefly Class competition. A seventh team

member, who will act as alternate, has not been named.

The squad will leave for Great Britain around July 15th, and will sail for four or five weeks there, while touring the country in two automobiles provided by the Ford Motor Company. The first period of competition will be only practice to prepare the sailors for the Lipton Cup matches against the best sailors from the British Universities.

The team will be coached in Great Britain by Mr. Walter C. (Jack) Wood, the former Sailing Master at MIT who retired last year. With his assistance, the United States will seek to defend the Lipton Cup, which it won a few years ago.